

South Dakota Retirement System

Executive Board of the Legislative Research Council

SDRS and Cement Plant Retirement Plan Projected Funded Status as of June 30, 2011

August 22, 2011





SDRS Projected Funded Status as of June 30, 2011

Projected Funded Status Includes 2010 Corrective Action

			Additional Unfunded		
If Investment Return	Actuarial Value	Market Value	Actuarial Accrued	Cu	shion/(Deficit)
for Year Ending	Funded Ratio	Funded Ratio	Liability as of		As of
<u>June 30, 2011 is</u>	at June 30, 2011(1)	at June 30, 2011(1)	June 30, 2011 ⁽¹⁾⁽²⁾	<u>Jun</u>	e 30, 2011 ⁽¹⁾⁽⁴⁾
22.50%	96%	100%	N/A		298
25.00%	96%	102%	N/A		458
27.50%	96%	104%	N/A	\$	618
At June 30, 2010	96%	88%	N/A ⁽³⁾	\$	(623)
At June 30, 2009	92%	76%	\$ (355M) ⁽³⁾	\$	(1,130)

⁽¹⁾ Before consideration of liability gains/losses for year ending June 30, 2011.

⁽²⁾ The Actuarial Value of Assets cannot be less than 80% or more than 120% of the Market Value of Assets. If the Actuarial Value reaches 120% of Market Value, the Actuarial Value is decreased and additional Unfunded Liabilities are created.

⁽³⁾ June 30, 2009 Additional Unfunded Accrued Liability was eliminated by enacted corrective actions recognized at June 30, 2010.

⁽⁴⁾ The Cushion is the amount by which the Market Value of Assets exceeds the Actuarial Value of Assets. The Deficit is the amount by which the Market Value of Assets is less than the Actuarial Value of Assets.

SDRS Projected Required Investment Return

Minimum Annual Investment Return Required to Utilize Existing Cushion Over

Includes 2010 Corrective Action

If Investment Return			20-Year Likelihood			
For Year Ending				SDIO	Current SDRS	
June 30, 2011 is	Five Years	Ten Years	Twenty Years	Assumptions(1)	Assumptions(2)	Thirty Years
22.50%	6.9%	7.3%	7.5%	48%	54%	7.5%
25.00%	6.4%	7.0%	7.3%	51%	57%	7.4%
27.50%	5.9%	6.8%	7.2%	52%	58%	7.3%

⁽¹⁾ Likelihood of 20-year returns at or above required level, based on June 2010 SDIO capital market assumptions including a mean expected return of 7.37% and a 20-year standard deviation of 2.8%.

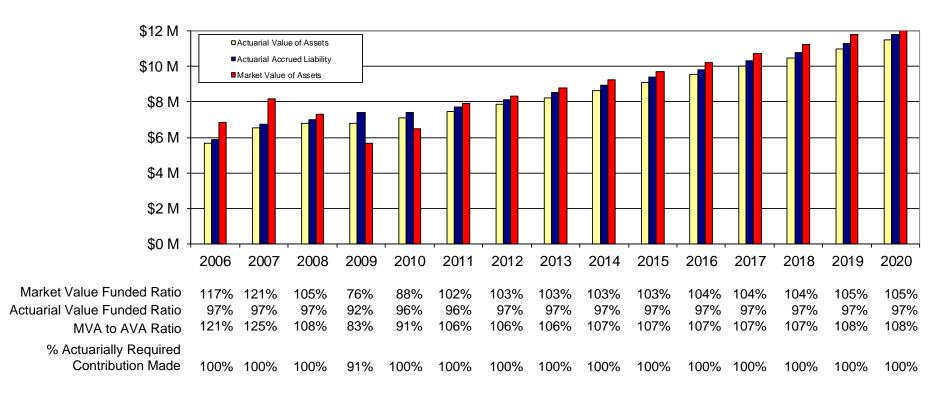
⁽²⁾ Likelihood of 20-year returns at or above required level, based on current SDRS investment return assumption of 7.75% and 20-year standard deviation of 2.69%.



SDRS Funded Status Projection

One Year at 25%, Then 7.75% Annual Return on Market Value of Assets

Includes 2010 Corrective Action





Cement Plant Retirement Plan Projected Funded Status as of June 30, 2011

		Unfunded
If Investment Return	Market Value	Actuarial Accrued
for Year Ending	Funded Ratio	Liability as of
<u>June 30, 2011 is</u>	at June 30, 2011(1)	June 30, 2011 ⁽¹⁾
20.00%	87%	6.9M
22.50%	89%	5.9M
25.00%	91%	4.9M
At June 30, 2010	72%	\$ 15.0M
At June 30, 2008	89%	\$ 6.1M

⁽¹⁾ Before consideration of liability gains/losses for year ending June 30, 2011.



Cement Plant Retirement Plan Projected Required Investment Return

Minimum Annual Investment Return Required to Eliminate Unfunded Actuarial Accrued Liability

If Investment Return			20-Year Likelihood			
For Year Ending				SDIO	Current SDRS	
<u>June 30, 2011 is</u>	Five Years	Ten Years	Twenty Years	Assumptions(1)	Assumptions(2)	Thirty Years
20.00%	11.3%	9.9%	9.3%	25%	28%	9.2%
22.50%	10.8%	9.6%	9.0%	28%	32%	8.9%
25.00%	10.2%	9.2%	8.8%	30%	35%	8.7%

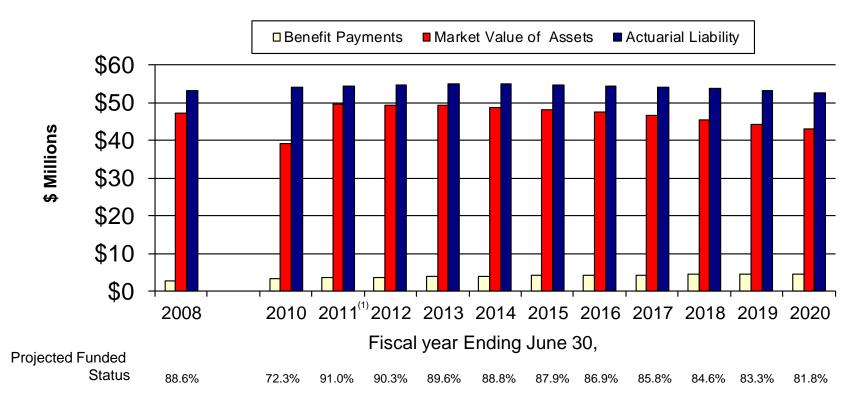
⁽¹⁾ Likelihood of 20-year returns at or above required level, based on June 2010 SDIO capital market assumptions including a mean expected return of 7.37% and a 20-year standard deviation of 2.8%.

⁽²⁾ Likelihood of 20-year returns at or above required level, based on current SDRS investment return assumption of 7.75% and 20-year standard deviation of 2.69%.



Cement Plant Retirement Plan Funded Status Projection

One Year at 25%, Then 7.75% Annual Return on Market Value of Assets



⁽¹⁾ Includes additional contribution of approximately \$4 million received in fiscal 2011.